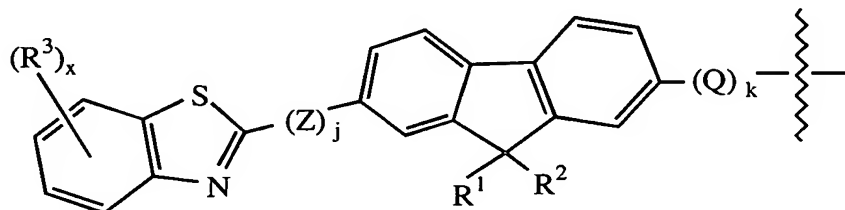


# ELECTROACTIVE POLYMER, DEVICE MADE THEREFROM AND METHOD

## ABSTRACT OF THE DISCLOSURE

[0048] Disclosed are polymers comprising 2-(7-benzothiazolyl-9,9-disubstituted fluorene) structural units of the formula



wherein  $R^1$  and  $R^2$  are each independently an alkyl group, an aralkyl group, an aryl group, or an  $-\text{Si}(\text{R})_3$  group wherein R is an alkyl group;  $R^3$  is selected from the group consisting of an electron-donating substituent and an electron-withdrawing substituent; x has the value of from zero up to the number of hydrogens available for substitution on the aromatic ring; Z and Q are each independently a group which is in conjugation with both the fluorene group and the benzothiazole group; and the parameters j and k each independently have the value of 0-2. Electroactive devices comprising said polymers, methods for preparing said polymers, and monomers for preparing said polymers are also disclosed.